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12 January 1959

MEMORANDUM FOR: Chief, Technical Services Staff

SUBJECT : Request for Continuing R&D to Complete a One Man
Portable Hydrogen Generator1. Description of the Project

The requirement for a portable hydrogen generator is one of long standing. Recent work on this project has resulted in a very successful full scale test of a unit that would fulfill the requirement but it has become evident that low temperature operating parameters of this unit are not known and can not be reliably deduced from the test data. In addition to this low temperature work, it is evident that much greater operating flexibility could be attained by so constructing the unit that it could be placed on dry land and filled with water instead of the present method of floating it on water.

2. Purpose of the Project

The portable hydrogen generator as tested in 1958 will be modified for use on dry land and tests made to determine low temperature operating parameters.

3. Recommended Contractor

The recommended contractor for this work is

25X1

25X1

4. Support Requirements

There are no support requirements with other government agencies.

5. Estimated Cost

The total estimated cost for this final work on this program is \$15,317, including a fixed fee of \$867.00. Charges are to be made against Allement Number 9-2502-75-901.

6. Security Information

Contract RD-26 is an Agency sterile contract. Task C is also Agency sterile although government interest may be shown. The item, except in its

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full scale testing phase with a balloon, is unclassified. Agency interest in all work and material under the contract and task is classified Secret and may be divulged only on a need-to-know basis to appropriately security cleared personnel.

7. Project Engineer

The project engineer for this program is
West Outbuilding, [redacted]

[redacted] Room 210,

25X1

25X1

[redacted] 25X1

Chief
TSS/Engineering Division

DD/P/TSS/ED, [redacted]

25X1

Distribution:

Orig - ED-139D when ret'd from C/TSS

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25X1

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ROUTING AND RECORD SHEET

SUBJECT: (Optional)

FROM:			NO.		
			DATE		
C/TSS/ED			DATE		
TO: (Officer designation, room number, and building)		REC'D	FWD'D	OFFICER'S INITIALS	COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)
1.	AC/TSS/Rad		1/19	G	will need about \$2,500 ⁰⁰ in addition, for the 120 lbs sodium borohydride @ \$20 ⁰⁰ W.L.E.
2.	C/TSS	19 JAN	1/19	R	
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